Design Engineering's index for 1969

Assembly	Integrated fluidics test integrated electronic circuits Dec p40
What's new in fasteners Jun p51	
Secondary loading on screw threads Aug p28	
Friction from ultrasonic vibrations melts and joins	Materials
plastics Aug p36	Designing furnace trays and fixtures Apr p40
Grooved pins cut cost of telephone relay terminals Sep p48	Powder metals used for critical parts in washers
New maraging alloy upgrades performance of	and dryers May p64
landing gear bolts Sep p62	Polycarbonate: a plastic for all seasons May p67
	Use cobalt alloys for hard surfacing May p70
	Bismuth alloys: their properties and
Drawing office	applications May p72
NC tapes made directly from drawings Feb p28	RTP is displacing metals in many new areas May p74
The metric system—how Canada stands Feb p30	New forging alloys offer production economies and extend applications of zinc May p77
Coordinatographs meet new engineering needs . Feb p32	and extend applications of zinc May p77 New steel has properties thought metallurgically
Drawing office equipment and supplies	impossible
buyers' guide Feb p38 Design methodology — Part 1 Apr p30	Design and development of FRP tanks May p79
Design methodology — Part 2 May p87	Superplastic metal alloy May p84
Plotter converts orthographic to perspective Jun p40	Continuous casting of fibre reinforced metals
Design methodology — Part 3 Jun p42	now possible May p85
Design methodology — Part 4 Jul p69	Huge movie set molded from butyrate sheet May p86
Design methodology — Part 5 Aug p42	The better and best in P/M parts June p45
Design methodology — Part 6 Sep p54	FRP housings popular for appliances Aug p34
Computer centre opens in Toronto Sep p57	Friction from ultrasonic virbrations melts and
Design methodology — Part 7 Oct p66	joins plastics Aug p36
Design methodology — Part 8 Nov p60	New zinc foundry alloy and Shaw casting process
Design methodology — Part 9 Dec p42	give low cost prototypes Sep p50 New maraging alloy upgrades performance of
	landing gear bolts Sep p62
	Snowmobile gets polycarbonate cabin Oct p69
Electrical and electronic	one miletie gets perfenteement them treatment out per
Breakthrough in stepper motor design Jan p30	
Design of electrical logic systems — 8 Jan p33	Mechanical power transmission
New SCR's give low cost AC drives Jan p34	Breakthrough in stepper motor design Jan p30
Motor gives low speed rotary motion without gears Jan p36	Motor gives low speed rotary motion without
Electric motors and controls buyers' guide Jan p40	gears Jan p36
Design of electrical logic systems — 9 Feb p35 Design of electrical logic systems — 10 Mar p46	How to forecast gear life with more accuracy Mar p42
How to specify shaded-pole gearmotors Mar p48	How to specify shaded-pole gearmotors Mar p48
What's new in gearmotors Mar p54	What's new in gearmotors Mar p54
Linear induction motor to power rapid transit	Developments in turbine couplings, clutches
system Jun p48	and transmissions Apr p36
One lever controls three engines and propeller	What's new in shaft couplings Apr p43
pitch of lake freighter Jul p66	Rolamite plays a simpler melody Aug p33
The International Electronics Conference Nov p63	Kingpin brake eliminates jackknifing Aug p46
Integrated fluidics test integrated electronic circuits Dec p40	Lubrication of journal bearings Oct p56 Gear/bearing units improve steering of
	mammoth crane Oct p61
Pt 14	Spherical bearings are molded in situ Oct p64
Fluid power	Strong and silent pinion has only three teeth Oct p65
Diaphragm type air logic has built-in annunciation Jan p32	Mechanical power transmission buyers' guide Oct p70
Basic fluidics — 11 Jan p53	Radioisotopes help check bearing slip Dec p48
Which four-way spool valve and why — Part 1 Jan p54	
Which four-way spool valve and why — Part 2 Feb p26	
Which four-way spool valve and why — Part 3 Mar p50 Design innovations upgrade vane pump Apr p33	Miscellaneous
Developments in turbine couplings, clutches	Synchronized movie camera and strobe lights
and transmissions Apr p36	separate multiple movements Aug p45
Hydraulic control of negative loads Jul p62	Undersea oilfield men will work in standard
Hydraulic manifolds made from modules Jul p65	environment conditions Sep p49
One lever controls three engines and propeller pitch	Resonant vibration gives rapid relief of residual
of lake freighter Jul p66	stresses Sep p58
Pneumatic logic circuit controls drilling, tapping	Fiber optics facilitate fault finding Sep p60
and spotfacing Jul p73	Rolls-Royce quietens jumbo jet engines Sep p63
Designing a shear-lift force pump Jul p78	Automation roundup, 1969 Nov p46 Gyros stabilize cine and TV cameras Nov p58
Canada's fluid power buyers' guide Jul p81 Turbulence amplifiers find many applications	Roundup of 1969 technical literature Dec p49
in UK industry Sep p44	The pick of the products, 1969 Dec p54
in Ok musuy Sep p44	The President Producers, and a service producers and box